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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/605,945	11/07/2003	Philip Wiethe	81044519/202-1453	2944
28395	7590	03/17/2005	EXAMINER	
BROOKS KUSHMAN P.C./FGTL			PANG, ROGER L	
1000 TOWN CENTER			ART UNIT	
22ND FLOOR			PAPER NUMBER	
SOUTHFIELD, MI 48075-1238			3681	

DATE MAILED: 03/17/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

 Office Action Summary	Application No. 10/605,945	Applicant(s) WIETHE ET AL.	
	Examiner Roger L Pang	Art Unit 3681	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1,2,6,10,14,16 and 17 is/are rejected.
- 7) ☒ Claim(s) 3-5,7-9,11-13,15 and 18-20 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

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DETAILED ACTION

The following action is in response to application 10/605,945 filed on November 7, 2003.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-2 are rejected under 35 U.S.C. 102(b) as being anticipated by Kondo. With regard to claim 1, Kondo teaches a method of controlling an automatic transmission 1001 in a vehicle, the vehicle including an engine 1006, a brake pedal 1018, and an accelerator pedal 1029, the method selectively providing engine braking, the transmission having shiftmaps comprising of upshift points (Fig. 1) and downshift points (Fig. 2), each being based on vehicle speed and accelerator pedal position, the method comprising: determining when automatic engine braking is desired (sporty); increasing some upshift points (Fig. 10); automatically downshifting to a lower gear (S2006: Fig. 11, when the speed and throttle are now past the downshift line), thereby providing engine braking for the vehicle, when at least one vehicle condition matches a corresponding predetermined vehicle condition (i.e. $SP(i) > .33$)), and wherein the transmission can be automatically down-shifted when the brake pedal is engaged, and when the brake pedal is disengaged (non-prohibiting condition). With regard to claim 2, Kondo teaches the method, wherein the at least one vehicle condition matches a corresponding predetermined vehicle condition when the vehicle speed drops below a first downshift point ($SP(i)$ and Fig. 11).

Claim Rejections - 35 USC § 103

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The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Kondo as applied to claim 1 above, and further in view of Ohta. Kondo teaches the method, but lacks the teaching of a manually operated switch to enable automatic engine braking. Ohta teaches a vehicle, wherein a sporty (power) condition may be set either automatically or via a manual switch 61 (Col. 8). It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Kondo to employ a manual mode switch in further view of Ohta in order to immediately run under a driver preferred shift map.

Claims 10, 14, and 16-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kondo in view of Baumgartner. With regard to claim 10, see rejection of claim 1. Also, Kondo teaches a first brake pedal sensor 1017. Kondo lacks the teaching of a second brake pedal sensor. Baumgartner teaches a brake pedal 20 with a first 62 and second 64 sensor. It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Kondo to employ a second brake sensor in view of Baumgartner in order to contribute to the reliability of the entire brake by wire system (paragraph 11). With regard to claim 14, Baumgartner teaches the method, wherein the first brake sensor 62 senses a pedal position, and the second sensor 64 senses a brake pedal pressure (force). With regard to claim 16, see rejection of claim 10. Also, Kondo teaches an accelerator pedal sensor 1014, first and second shift modes (non-sporty and

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sporty), wherein the first mode does not use automatic engine braking, while the second does (Col. 6). With regard to claim 17, see rejection of claim 1.

Allowable Subject Matter

Claims 3-5, 7-9, 11-13, 15, and 18-20 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Irwin, Takizawa, Kusaka, Janecke, Hawarden, and Lee have been cited to show similar controls.

FACSIMILE TRANSMISSION

Submission of your response by facsimile transmission is encouraged. Group 3600's facsimile number is (703) 305-3597. Recognizing the fact that reducing cycle time in the processing and examination of patent applications will effectively increase a patent's term, it is to your benefit to submit responses by facsimile transmission whenever permissible. Such submission will place the response directly in our examining group's hands and will eliminate Post Office processing and delivery time as well as the PTO's mail room processing and delivery time. For a complete list of correspondence not permitted by facsimile transmission, see MPEP 502.01. In general, most responses and/or amendments not requiring a fee, as well as those requiring a fee but charging such fee to a deposit account, can be submitted by facsimile transmission. Responses

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requiring a fee which applicant is paying by check should not be submitting by facsimile transmission separately from the check.

Responses submitted by facsimile transmission should include a Certificate of Transmission (MPEP 512). The following is an example of the format the certification might take:

I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office (Fax No. (703) 305-3597) on _____ (Date)

Typed or printed name of person signing this certificate:

(Signature)


If your response is submitted by facsimile transmission, you are hereby reminded that the original should be retained as evidence of authenticity (37 CFR 1.4 and MPEP 502.02). Please do not separately mail the original or another copy unless required by the Patent and Trademark Office. Submission of the original response or a follow-up copy of the response after your response has been transmitted by facsimile will only cause further unnecessary delays in the processing of your application; duplicate responses where fees are charged to a deposit account may result in those fees being charged twice.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Roger L Pang whose telephone number is 703-305-0445 (571-272-7095 after April 7th). The examiner can normally be reached on 5:30am to 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Marmor can be reached on 703-308-0830. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Roger L Pang
Patent Examiner
Art Unit 3681

March 10, 2005